

Richard C. Lantow et al.  
USSN 10/653,675  
Filed September 2, 2003

Amendments to the Claims

Please cancel claims 13-15 without prejudice, amend claims 1, 3, 11 and 12 as provided below. Claims 1-12 are currently pending in the present application.

1. (Currently Amended) A fastener installation tool for installing a threaded ~~nut~~ with a non-circular external surface onto a threaded fastener of the type having a non-circular recess in an end of the fastener that matingly engages with a ~~key~~ male member that has a complementary shaped non-circular tip end to the non-circular recess, the fastener installation tool comprising:

a head;

a rotatably operable gear disposed within the head, the gear having a non-circular bore;

a socket, the socket having a non-circular seat configured to matingly engage the ~~non-circular nut that has a complementary shaped non-circular external surface of the nut~~ shape to the non-circular seat;

the socket having a shaft with a non-circular external surface and a ~~tubular~~ bore internal surface, the shaft matingly engaged within the bore of ~~the non-circular bore of the gear, having a complementary shaped non-circular shape to the non-circular external surface of the shaft~~;

a key, the key having a shank with a non-circular external surface, and a tip end with a non-circular external surface, the shank of the key being disposed within the ~~tubular~~ bore of the shaft;

Richard C. Lantow et al.  
USSN 10/653,675  
Filed September 2, 2003

the tip end being configured to matingly engage with a complementary shaped the non-circular recess in the fastener; ~~of the type having the non-circular recess in the end of the fastener,~~

a key holder having a non-circular aperture that matingly engages the shank of the key ~~having a complementary shaped non-circular external surface of the shank, shape to the non-circular aperture;~~ the key holder being attached to an the exterior surface of the head; and

a spring having one end of the spring attached to the key and another end of the spring attached to the head.

2. (Original) The fastener installation tool of claim 1 further comprising a tool component attached to the head.

3. (Currently Amended) The fastener installation tool of claim 1 wherein the external exterior surface of the shaft has an annular groove disposed around ~~a~~ the circumference of the shaft.

4. (Original) The fastener installation tool of claim 3 further comprising a ring seated within the annular groove which locks the socket to the gear.

5. (Original) The fastener installation tool of claim 1 wherein the key has a bore located adjacent to an end of the key opposite to the tip end.

6. (Original) The fastener installation tool of claim 5 wherein the one end of the spring is disposed within the bore and the other end of the spring is attached to the head with a fastener.

Richard C. Lantow et al.  
USSN 10/653,673  
Filed September 2, 2003

7. (Original) The fastener installation tool of claim 1 wherin the key has a slotted groove disposed in an end of the key opposite to the tip end.

8. (Original) The fastener installation tool of claim 7 wherein the one end of the spring is disposed within the slotted groove and the other end of the spring is attached to the head with a fastener.

9. (Original) The fastener installation tool of claim 1 wherein the shank of the key with the non-circular external surface that is matingly engaged with the non-circular aperture of the key holder both have non-circular shapes selected from the group consisting of one or more flats, flutes and splines.

10. (Original) The fastener installation tool of claim 1 wherein the spring operates to bias the key along a longitudinal axis of the shaft of the socket and retain the key to the fastener installation tool.

11. (Currently Amended) The fastener installation tool of claim 1 wherein the tip end with the non-circular tip end external surface that is configured to matingly engage with the non-circular recess of the fastener both have non-circular shapes selected from the group consisting of one or more flats, flutes and splines.

12. (Currently Amended) A kit for retrofitting a fastener installation tool that is used to install a threaded nut with a non-circular external surface onto a threaded fastener of the

Richard C. Lannow et al.  
USSN 10/653,675  
Filed September 2, 2003

type having a non-circular recess in an end of the fastener that matingly engages with a key male member that has a complementary shaped non-circular tip end to the non-circular recess, the fastener installation tool comprising:

a head;

a rotatably operable gear disposed within the head, the gear having a non-circular bore;

a socket, the socket having a non-circular seat configured to matingly engage the ~~non-circular nut that has a complementary shaped non-circular external surface of the nut; and shape to the non-circular seat; and~~

~~the socket having a shaft with a non-circular external surface and a tubular bore internal surface, the shaft matingly engaged within the bore of non-circular bore of the gear; having a complementary shaped non-circular shape to the non-circular external surface of the shaft;~~

the kit, comprising:

a key, the key having a shank with a non-circular external surface, and a tip end with a non-circular external surface, the shank of the key being configured to be disposed within the ~~tubular~~ bore of the shaft;

the tip end being configured to matingly engage with a complementary shaped ~~the~~ non-circular recess in the fastener, ~~of the type having the non-circular recess in the end of the fastener;~~

a key holder having a non-circular aperture that is configured to matingly engage the ~~shank of the key having a complementary shaped the~~ non-circular external surface of the shank, ~~shape to the non-circular aperture~~, the key holder being configured to be attached to ~~an~~ the exterior surface of the head; and

a spring having one end of the spring configured to be affixed to the key and another end of the spring configured to be attached to the head.

13. (Cancelled)

FEB-25-2005 FRI 02:46 PM ECKERT SEAMANS

FAX NO. 724 337 5959

P. 07/14

Richard C. Lantow et al.  
USSN 10/653,675  
Filed September 2, 2003

14. (Cancelled)

15. (Cancelled)